Robot Name: GRM-Strong
Height: 583mm
Weight: 5341g
Walking speed: 0.035m/s
Number of degrees of freedom: 20
Joint torques: RX64, 64.4kgf/cm, RX28: 28.8kgf/cm
Type of sensors used: Logitech Quickcam 5000, ADCL203accelerometer
Computing units: Tiny 210 AMD lx800 500MHz
Source: Polymer Lithium Ion Batteries, special Power Module
Capacity: full-load operation 25min
Gait locomotion: Current planning, global motion
the control of motor: ARM+Real Time Operating System, 100MHz
image acquisition: 640*480, 30f/s
the software of gait: MotionDebug4.3 support the wireless debug
memory: 256M internal memory + 4G external storage
network: cortex-M3 LPC1768
operating system: Linux
Robot Name: GRM-8
Height: 683mm
Weight: 5938g
Walking speed: 0.04m/s
Number of degrees of freedom: 20
Joint torques: MX64, 64.4kgf/cm, MX28: 28.8kgf/cm, MX106 100.6Kgf/cm
Type of sensors used: WebCam( with CMOS sensor SONY IMX322), AHRS sensor
Computing units: nVidia Jetson TX2
Operating system: Ubuntu 14.04
Power Source: Polymer Lithium Ion Batteries(14.4V)
Capacity: full-load operation 25min
gait locomotion: real-time omnidirectional walking with online stabilization
lower controller: cortex-M3(LPC1768)+Real Time Operating System(ucOS), 100MHz
image acquisition:1920*1280,30f/s
Software of gait generation: MotionDebug4.3 with WLAN support